



HAMATEUR CHATTER

The Milwaukee Radio Amateurs' Club, Inc.

1917 From Spark to Space 1996

June, 1996

Vol 4 # 06

THIS MEETING:

Date: Thur - June 28, 1996
 Time: 7:30 PM
 Place: Wauwatosa Savings Bank
 7500W. State St., Wauwatosa, WI
Please DON'T call the Bank for information!!!
 Program: Video on Thomas Edison and his problems with G.E.
 and a video on Field Day
 July Meeting: Thursday - July 26, 1996

July HamateurChatter material is due: July 1, 1996

FROM THE PRESIDENT'S DESK

Our May 30th meeting, at WTMJ - TV was great! More than fifty people attended and enjoyed the tour. We have many people to thank. Our Club had a chance to see it all because of Will Koeller the Manager of Technical Operations. Jerry Thompson also became a tour guide. I think working 35 years at the station qualified him for this position - Don't you?! We would also like to thank the WTMJ staff for allowing us to occupy their work space for several hours.

The annual meeting took a back seat but, we did run the election. Our new officers and board members will be sworn in at our June meeting.

Field Day this year is before our June 28th meeting. Please, make note of it. Let's see you there this year. A very dedicated group of volunteers put a lot of effort into it. Stop in and operate one of the stations. The date, time, and place are in this Chatter.

Ed Wille - W9PWG,
President



*The World's Oldest Continuously Active Radio Amateur Club
 Since 1917
 ARRL affiliation since 1919.*

Phone 466-HAMS or FAX 461-7730
 Use our Club repeater - W9RH
 147.045 + offset

CLUB OFFICERS:

President	-----	461-5961
Ed Wille	-----	W9PWG
1st V. Pres.	-----	352-9642
Dave DeFebo	-----	529-5583
2nd V. Pres.	-----	774-2114
Kate Kedney	-----	KA9MWT
Secretary	1 (414) 968-2724	
Jim Tromblay	-----	WB9LNU
Treasurer	-----	796-0969
Ken Eggert	-----	W9MOT

BOARD OF DIRECTORS

Carlos Barron	-----	KG9FC
(97-98)	-----	344-4694
Pancho Doneis	---	KA9OFA
(95-97)	-----	344-4694
Fred Linn	-----	W9NZF
(97-98)	-----	377-3280
Dick Schlatterer	----	KA9MTY
(95-97)	-----	354-7452
Jerry Thompson	-	WA9SFH
(95-97)	-----	354-6943
Roger Zaun	-----	W9UVV
(97-98)	-----	242-4931

HAMATEUR CHATTER

Editor

Pancho Doneis ... KA9OFA
 344-4694

Circulation/Roster

Jerry Thompson . WA9SFH
 354-6943

Dick Schlatterer ... KA9MTY
 354-7452



MILWAUKEE AREA NETS

DAY	TIME	MHZ	ACTIVITY
Daily	6:8 AM	14.290	Wisconsin/Florida Net (SSB)
MON-FRI	8:30 AM	3.965	After Breakfast Club (SSB)
MON	8:00 PM	146.445	Emergency Net
MON	9:00 PM	146.670	ARES Net (Milwaukee-Waukesha)
MON	9:00 PM	50.160	6 Mtr. General Net
TUE	7:00 PM	442.200	General Racine N9OEZ repeater
TUE	8:00 PM	144.22	Badger Contesters (SSB)
TUE	8:00 PM	7.035	A.F.A.R. Net (CW)
WED	8:00 PM	28.365	10-10 International (Milwaukee Ch.) (SSB)
THU	9:00 PM	50.160	6 Mtr. General Interest Net
THU	9:00 PM	146.910	Computer Net
FRI	8:45 PM	28.400	W9RH 10 meter MRAC Station Net (SSB)
FRI	9:15 PM	147.045	W9RH 2 mtr. net following the 10 mtr. net
SAT	9:00 PM	146.910	Saturday Nite Fun net
SUN	8:30 AM	3.985	QCWA (Chptr. 55) (SSB)
SUN	10:00 AM	443.800	FM-38 Link to 146.88 Baraboo SWAP Net
SUN	11:00 AM	3.870	Spanish/English-For improvement of Spanish
SUN	8:00 PM	28.365	10-10 International (Milwaukee Ch.) (SSB)
SUN	8:00 PM	146.910	Information Net
SUN	9:00 PM	146.910	Swap Net

The 2 meter frequencies are -600 khz offset FM repeaters. FM38 is +5 Mhz offset, tone 114.8. The 10 meter frequencies are upper sideband (USB). If there are additions, changes, or corrections to this list, please contact: Pancho KA9OFA at 344-4694 or call 466-HAMS.

HAM Related Telephone BBS's

(Computer Bulletin Board Services)

Digital Ham Shack	Joe's Garage ----- 453-5145
node 1 ----- 251-1106	AES ----- 358-3472
node 2 ----- 251-0201	

Editor's Notes



Dear Readers,

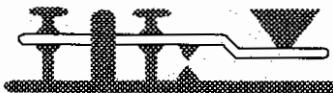
This has been a very busy month forme, personally and Chatter-wise coming out a little earlier than usual (because of Field Day coming a week earlier than usual).

I just wish to point out that Field Day is on June 22nd and 23rd. Please, come on out to our site at Pioneer Village 10 miles north of Cedarburg on highway "I" (find maps on page 5 of this issue). You can operate CW, SSB, FM, and maybe a packet station. Hope to see yo u out there and also at our meeting on June 28th.

Congratulations to our new officers! They are listed in the Highlights of the May 30 meeting on page 3 of this issue of the Chatter.

73's

Pancho



MRAC VEC FCC HAM RADIO EXAMS

Second Sat. of Each Month

1:00pm
Wauwatosa Savings Bank
6560 S. 27th ST.
Oak Creek, WI

Last Sat. of Each Month

8:30 am.
Wauwatosa Savings Bank
7500 W. State
Wauwatosa, WI

You will not be permitted to take the exam
without these items:

- 1) Your original license (if you have one) and a photocopy.
- 2) Any CSCE's you may have (and a photocopy of each).
- 3) Two forms of identification (examples: - drivers license and social security card)
- 4) \$5.00 (exam fee).

Walk-ins welcome, but preregistration is encouraged if possible. To register in advance, send a post card on which you have printed the grade of license for which you are applying, your name, address and telephone number to:

Milwaukee Radio Amateurs' Club
P.O. Box 25707
Milwaukee, WI 53225
For more information call:
466-HAMS



HIGHLIGHTS of the MAY 30 MEETING of the MRAC

The May 30th Meeting convened at the WTMJ studios on east Capitol Drive at approximately 7:00 PM. The purpose of meeting there was to tour the studios and TV and FM transmitters, and elect our officers for the '96-'97 year. We are thankful to Will Koeller, John Schweitzer, and Todd Templin for guiding us through the maze of corridors and equipment. We had 49 present and divided into three groups for the tour. The group I was in started at the WTMJ - AM and WKTI - FM studios. Then we moved on to the "round" News Studio. The sets were along the curved walls for all the news shows that take place during the day. This is accomplished by rotating the set that the news persons occupy and placing the cameras so the correct background is in the shot. Now the three robotic cameras on the floor are operated by one engineer. One camera and its lenses alone weigh around 200 pounds. Then there is the pedestal that the camera sets on (it has 2 canisters of nitrogen that goes into the cylinders to raise and lower the camera. Also in the pedestal is the computer so that the camera knows exactly where it is and where it is going next.

On our visit to "Master Control," Steve Hansen was on duty and answered questions. Everything that goes out on the TV AIR goes through Master Control. The

commercials are placed on Betacam Sp cassettes and placed in a tower where a robot records a bar code and places them in a slot. When it is time to play them the robot places them in one of six players within the tower and after the commercial plays it puts them back in their appropriate slot. The bar code information tells the computer what the commercial product is and the length.

We were fortunate to be able to see the Satellite Truck in operation in the parking lot. It was running from the power of the on board generator and had a signal from several satellites during the evening. The truck can go all over the United States and was in Canada for the Bembenic court procedure. Kevin Fromm was the engineer that had everything ship-shape for us.

The TV and FM transmitters are located in a building in back of the main building.

Both transmitters are solid state and if a module goes bad it shows up on a computer screen in Master Control (another one of that engineer's duties). The power of the TV transmitter is 50,000 watts (50 kilowatts) but it is run on the conservative side so the ERP (effective radiated power) is 133 KW.

When the tours were completed, we returned to studio "D" for the election of officers for the '96-97 year and refreshments.

Our officers for the year are:
President

Ed Wille - W9PWG
1st Vice-pres.
Dave DeFebo - WB9BW
2nd Vice-pres.

Kate Kedney - KA9MWT
Secretary
Jim Tromblay - WB9LNU
Treasurer

Ken Eggert - W9MOT

Board of Directors

(new) Carlos Barron - KG9FC
Fred Linn - W9NZF
Roger Zaun - W9UVV

1 yr to go Pancho Doneis - KA9OFA
Dick Schlatterer - KA9MTY
Jerry Thompson - WA9SFH
Good Luck to all.

Respectfully Submitted, Jerry -
WA9SFH

• • •

Welcome Aboard

New Member

Robert Brown - N9WPG,
Brookfield

Orv met him on packet.

In the future, we will try to announce all new members somewhere in the newsletter.

• • •

MRAC Nets

Our MRAC Nets on June 7, '96 netted 8 people on 2 meters and 8 on 10 meters.

• • •

MRAC Breakfast

Breakfast on June 8 had 14 attendees. Come on over to Maxim's @ 92nd and Appleton Ave. @ 8:30 am on Saturday Mornings and look for the noisiest bunch in the place.

Six Meter Skip Season Begins Early!

Milwaukee area 50 MHz operators have been treated to an earlier - than - usual summer "E-skip" season this year, and it came on the heels of an unusual number of 6m openings to southeastern Wisconsin during March and April.

On March 20, MRAC member Rick Kissell - WB9GYT worked stations in Maryland, Pennsylvania and Texas with 100 watts from his Kenwood TS-60 and a 21-foot-tall Diamond brand ground plane antenna. On April 13, Rick QSOed stations in Florida and South Carolina. Between May 7 and May 19, Town of Waukesha 6m "superstation" WA9SDA (Ronn Ross), who operates sideband with Japan Radio Company JST - 245 150 watts output) to a 6-element KLM yagi at 115 feet, worked stations in Alabama, Colorado, Florida, Georgia, Illinois, Louisiana, Maryland, Montana, New Jersey, New York, North Carolina, Oregon and Virginia. "The 50.125 MHz SSB calling frequency gets to be a real madhouse during band openings," Ronn noted. "I wish people would remember to QSY after making the initial contact."

But, all that was just a hint of several weeks of 6m openings that began in earnest on May 20, when the squelch on many a local 6m rig was broken by 59+ signals from W5FF near Santa Fe, New Mexico. That same evening, Rick - WB9GYT enjoyed contacts with Maryland and Texas and Ronn - WA9SDA made QSOs with stations in Colorado, Florida, Louisiana, Maine, Montana, New Mexico, Ohio, South Carolina, and AA1A/MM (maritime mobile) in the harbor of Galveston, Texas.

During the last half of May, 50 MHz ops in southeastern Wisconsin copied a number of CW beacons from New Brunswick, northwestern Quebec, Kansas, Louisiana, and Texas.

During the same period, WB9GYT logged contacts with dozens of stations on SSB and CW in Arkansas, Colorado, Connecticut, Georgia, Idaho, Louisiana, Maine, Massachusetts, Mississippi, Montana, New Brunswick, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Nova Scotia, Oklahoma, Ontario, Quebec, South Carolina, Texas, Vermont, Virginia, West Virginia, Wisconsin, and Wyoming.

It was during this time that the VHF DX reflectors on the Internet starting carrying reports on W1s and VE1s working into

Europe and northwest Africa on 6 meters. There was even one report of a Minnesota station working Europe. Ralph Doll - N9LAD, who runs 100 watts from a TS-60 to a three-element Cushcraft yagi on the roof of his Oak Creek garage, noted that KE4SIX checked into the local SSB 6m net on the evening of May 27. "That was quite a surprise, especially his 5 by 5 signals," said Ralph, whose May 6m QSOs were with stations as far away as New Brunswick, Canada and Cape Canaveral, Florida.

The gear used by these stations ranged from classic rigs like the Clegg Venus, the SBE sidebander 6 and the Heath WB110, to newer rigs like the Icom IC-551D, the Kenwood TS-600 and '660, and the Yaesu FT620B. Probably the single most common rig was the Yaesu FT736R (a satellite-oriented multimode, multiband VHF/UHF rig putting out 10 watts on six) followed by the Kenwood TS-60, and the "HF+6" multi-band transceivers from Icom, Kenwood, and Alinco. A couple of stations used HF transceivers and the new 6m transverter from Ten-Tec. Among them was Mark Kachel NØOKS in Whitefish Bay, who uses a Ten-Tec Argonaut and the Ten-Tec transverter to provide 8 watts to a roof-mounted 6m loop. That setup enabled him to work Louisiana, Texas, and Vermont. "I worked 14 new grids in May with that setup," noted Mark. It's an interesting band and it's fun to be on. It's great — it opened at 10 am and stayed open most mornings for an hour or two."

One local 6m op commented that "you can really see the impact of the newer rigs on 6m band occupancy. I worked a lot of 'new to six ops' who were using the Icom IC-706. On the other hand, I also worked stations in Colorado Springs and northern Texas who were using the new 10 watt 6m transceiver kit from MFJ with dipoles at very low elevations. One of them, Marty KB9NNW in West Allis, was working people as far away as Mississippi using that MFJ 9406 and a dipole strung up in his living room!"

Among those with a new IC-706 is local 6m veteran Bob Immekus - W9CYI in Fox Point, who worked British Columbia (VE7), Quebec (VE2), Maine, New Hampshire, Rhode Island and "the only active VHFer in grid square DM 88" Olney, CO. Bob uses a quarter-wave ground plane mounted 17 feet above ground.

"I guess the most frustrating moments for me on 6m this month (May) were hearing but not being able to work Alberta, the Bahamas, and Mexico," said Rick - WB9GYT. "I tried raising Mexico or Central America by calling CQ in Spanish in the DX window, but I only raised a few Canadians and a number of excited Texans who couldn't understand why they were hearing Spanish with their beams pointed north."

Rick did work Mexico on June 9 in the p.m.

"The signals were unbelievably strong at times," he said. "I worked N9JR in Wauwatosa on CW, followed by W2TF in New Jersey and NG1G in southern Vermont. I then heard a 'QRL?' so strong that I thought it was N9JR again — but it turned out to be VD2AWR near Quebec City!"

Rick said "The best moment was calling CQ on an apparently dead band and having VE1JC in Yarmouth, Nova Scotia immediately come back to me with a 'five-nine plus plus' signal report. You should have heard the bedlam break out on the frequency when I finished with that one."

Burt Steingraeber - N9VBI, who uses a FT-736R to a Diamond brand ^m/2m/44 triband vertical on the roof of his 1 1/2 story home in West Allis, racked up 36 QSOs on 6m in the space of only four hours on May 28. "It was a helluva night," he said. "I worked 19 different grids that evening, all up and down the east coast." That same night, Ken Boston - WF9X in Washington County worked Oregon and Washington state. "The MUF (Maximum Usable Frequency) went so high that 2m SSB operators were working from Minnesota to Florida," Ken noted.

The local SSB six meter net meets Monday and Thursday evenings at 9:00 p.m. on 50.160. There is a possibility that local 6m ops will get together for a social gathering this summer. For further information, Call Rick - WB9GYT at 643-8039.

For further reading, see "Six Meters: A Guide to the Magic Band" by Ken Neubeck - WB2AMU. It was published a few years ago by Worldradio magazine, and is available for \$14.00 (postpaid) from:

Worldradio Books

P.O. Box 189490

Sacramento, CA 95818.

— 30 —

Field Day 1996

This year, Field Day will be held at the Pioneer Village railroad station. This is the same location that we used last year.

Setup will start between 8:30 and 9:00 am on Saturday- June 22.

We are hoping to have a packet station this year, so if you would like to see one in action, come on out.

We need a dipole antenna for 40 and 80 meters. If you have one that we can use, please bring it along.

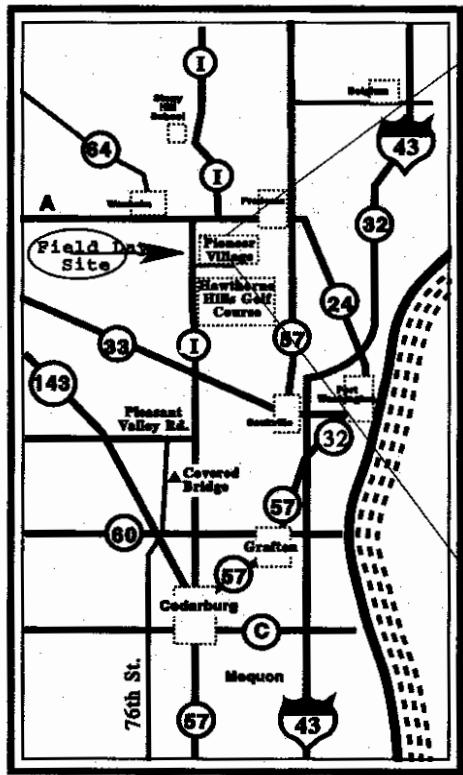
There will be a lunch on Saturday and donuts on Sunday AM.

This is a 24 hour event. We are looking for a few people to stay over night to keep an eye on the equipment and of course operate during the night. We will be inside at night to attempt to stay away from the mosquitoes.

Hope to see you all there! !!!!!



Jim - WB9LNU



Map to MRAC Field Day Site

Field Day Help

We will need people to help with food layout on Saturday the 22nd for lunch and our Sunday morning Breakfast. If you can help, please call John - WB9PSE at 259-9091. It would be appreciated. Incidentally any XYL or YL who would like to donate baked goods, you won't be turned away!

John Merkl - WB9PSE

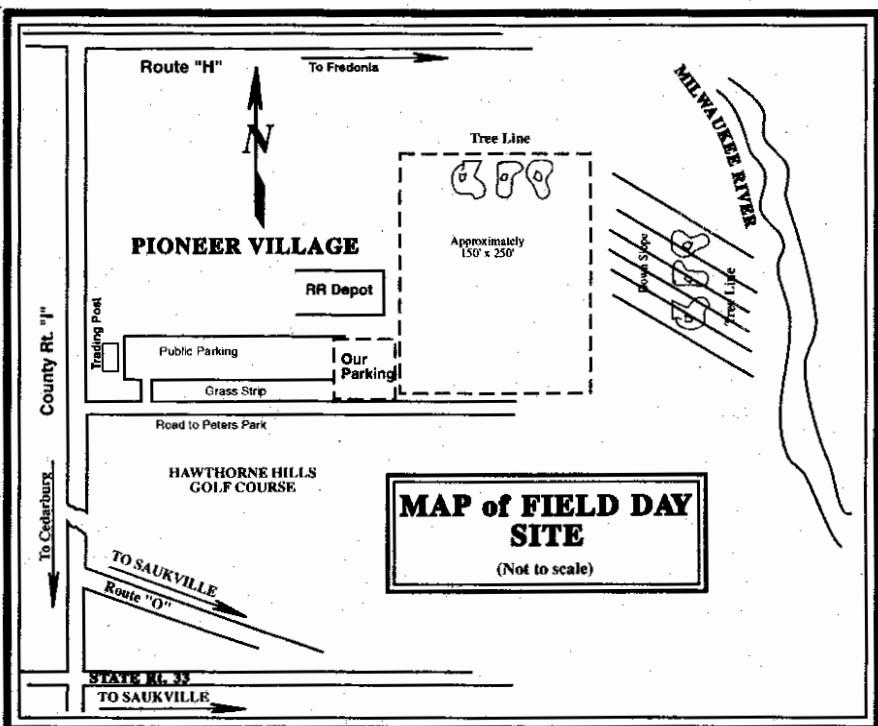
HF Log for May

from the log of WB9GYT

4/30	10,101	0247	V44KJ	439	St.Kitts & Nevis Islands
5/4	18.072	2230	FS5HI	569	British West Indies
5/10	10,103	0417	EM1U	339	St.Martin; French Indies
5/12	10,101	0257	R1SFJZ	339	Ukrainian, Antarctic Base
5/21	10,100	0507	N2WCQ/6W1	559	Franz Josef Land (Russian Arctic Island)
					Senegal, West Africa

For information about a greater Milwaukee DX Assoc., Call: Gary Schwartz - K9GS: 383-4439 (Usually meet on the Monday evening prior to the MRAC meeting.)

Your DX reports are wanted and needed. if you have made some significant log entries lately, please let us in on them.



CLUB ACTIVITIES

CQ Third Tuesday

11:00 am

Old Country Buffet
164th and Bluemound

Y'all come(!) to the **MRAC HAM BREAKFAST** every Saturday morning at 8:30 o'clock. Maxim's Restaurant 9143 W. Appleton Ave. (corner of 91st St. and Appleton Ave. near Timmerman Field). Prices are reasonable, the food good, and the company excellent.

First Friday Fish Fry

Serb Hall at 51st and Oklahoma Ave. Call: Warren - K9IZV on the 146.91 - offset for reservations by Noon on that FRI.

W9RH-10 & 2 METER NETS

W9RH Ten Meter Net 8:45 PM at 28.4 MHz. SSB Friday evenings at 9:15 2 meter FM repeater at 147.045 + offset. We'd like to meet you there.

CLUB MEETINGS

Menomonee Falls Amateur Club

Last TUE# #8:00p.m.

Security Savings and Loan
Menomonee, Falls, WI

CLUB MEETINGS continued

Milwaukee Radio Amateur's Club

Last Thursday of the month 7:30 p.m.

Wauwatosa Savings Bank
7500 W. State St.
Wauwatosa, WI

Miller Valley Radio Amateur Club

Tuesday evenings at 6:30 p.m.

at 703 N. 39th St.,
just north of (and almost under)
the Wis. Ave. viaduct.

For info contact: Art - WA9AWJ
(found daily on the 146.91 repeater).

Ozaukee Radio Club

Second Wed. 7:30 p.m.

Grafton Multipurpose Senior Center
Grafton, WI

South Milwaukee Amateur Radio Club

First Wednesday of each month

American Legion Post 434
9327 S. Sheppard Ave
Oak Creek, WI
Auction at March & October mtgs.

West Allis Radio Amateur Club

Meets the second Tuesday of each month
at 8:00 p.m.

At St. Peter's Episcopal Church
7929 W. Lincoln Ave.
West Allis, WI

NEWS CONTRIBUTIONS

Articles and information for the newsletter should be received by the editor no later than the first of the month of publication. If received after the first of the month, its inclusion in that month's edition cannot be guaranteed. Your cooperation is appreciated.

Please mail submissions to:

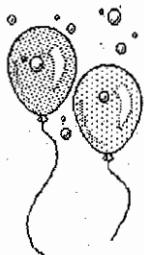
Hamateur Chatter
Pancho Doneis - KA9OFA
1958 N. 38th St.
Milwaukee, WI 53208

Thanks to our news contributors this month:

WB9GYT W9NZF WA9SFH
WB9LNU WB9PSE W9YCV
 W9PWG



Our People



July Birthdays

Birthdate

Louis F. Kulinski ----- W9DYF ----- 07-07
Fred Recklies ----- KB9JBG ----- 07-14
Joe O'Farrell, Jr. ----- N9NLK ----- 07-14
Carlos R. Barron ----- N9MYL ----- 07-16
Charles Ackerman ----- W9OWM ----- 07-17
Sidney R. Rose ----- W9VKC ----- 07-17
Len J. Kelter ----- WO9G ----- 07-20

Birthdate

John C. Scarvaci ----- W9GIL ----- 07-21
Bessie G. Beider ----- N9QIT ----- 07-25
Anton P. Shemick ----- AA9PC ----- 07-27
Robert K. Schady ----- KB9XR ----- 07-27
Robert E. Hetzel ----- W9VQG ----- 07-29
Deb S. Arps ----- KB9ISE ----- 07-30
Hence Wofford ----- N9HIL ----- 07-31
Wayne B. Schrube ----- N9RXB ----- 07-31

Happy Birthday!

July - 1996 Calendar

SUN	MON	TUE	WED	THU	FRI	SAT
Newsletter material is due	1 	2	3	4 	5	6 MRAC Breakfast
7	8	9	10	11	12 MRAC 10 & 2 meter Nets	13 MRAC Breakfast MRAC EXAMS Wauwatosa S&L 6560 S. 27 th St.
14	15	16	17	18	19 MRAC 10 & 2 meter Nets	20 MRAC Breakfast
21	22 MRAC Board mtg. 	23	24	25 MRAC General mtg. Wauwatosa S&L 7500 W. State	26 MRAC 10 & 2 meter Nets	27 MRAC Breakfast MRAC EXAMS at AES 5710 W. Good Hope Rd
28	29	30	31			

For Sale!

G.E. tube-type repeater in rack cabinet
 Model 4EF5A1 PA
 144-174 MHz
 Pick it up for \$100.00
 No diagram, however.
 Contact: Ed Wille - W9PWG
 President of MRAC

• • •

Wanted

Rick - WB9GYT would like anyone having experience using the MFJ model DSP-784-B signal processor to, please contact him at: 643-8039.

• • •

Next Board Meeting

Next Board Meeting is at Jim Tromblay's on June 24, 1996 @ 7:00p.m.

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Christmas Party

The date and location for our annual Christmas Party have been set.

Sun - Dec 8, 1996
 @ Aliotos Restaurant
 on Hwy 100 again.

Futher details to follow in future issues of HamateurChatter

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**Use our
W9RH Repeater
147.045 MHz + offset**

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Upcoming Events

* Indicates VE Testing

ARRL FIELD DAY
Sat-Jun 22&&Sun23,
1996Pioneer Village 10 mi
north of Cedarburg on Hwy I

**HARRISBURG
INDEPENDENCE DAY
HAMFEST**
Jul 4, 1996
Harrisburg, Pa

WILKS-BARRE SWAPFEST
Sun - July 7, 1996
Wilks-Barre, PA

**INDIANAPOLIS,SWAPFEST
FRI-SUN - JUL 12-14,
1996**
Indianapolis, IN

SMARC *
SWAPFEST '96
JULY 13, 1996
Oak Creek, WI
T/I on 146.52

**ROCKFORD HAMFEST -
1996 ***
SAT - JUL 27, 1996

**WINNEBAGO CO.
FAIRGROUNDS
MECATONICA, IL**

**WOODSTOCK '96
HAMFEST**
SUN - AUG 25, 1996
McHenry Cty. Fairgrounds
Woodstock, IL

**HAMFEST - RADIOFEST -
COMPUTER EXPO**
SUN - SEP 8, 1996
Dubuque City Fairgrounds
Dubuque, IA
T/I on 147.24/84 rptr

**ARRL NATIONAL
CONVENTION**
SEP. 14-15, 1996

KMRA 1996 *
**COMPUTER FAIR AND
HAMFEST •**
SUN OCT 13, 1996
Waukesha Cty Expo Center
Forum Bldg.
Waukesha, WI
T/I on 147.39+ rptr

TO GET YOUR EVENT (SWAPFEST, ETC.)
INTO HAMATEUR CHATTER

Send Flier or info to: Hamateur Chatter
c/o PANCHO DONEIS, KA9QFA
1958 N. 38th St.
Milwaukee, WI 53208
or Phone: (414) 344-4694 or 466-HAMS

Hamateur Chatter -- 8 -- JUN, 1996

Field Day - Sat - June 22 & Sun - 23

Pioneer Village

10 mi North of Cedarburg on Hwy. "I"

(Not the one with the covered bridge.)



Milwaukee
Radio Amateurs' Club
P.O. Box 25707
Milwaukee, WI 53225

June, 1996 Vol 4 #06

NEXT MEETING

Thur - June 27, 1996
Board mtg June 24, '96

July Meeting
July 25, 1996

. P/96 J6/79
TED R. STILLER WA9RDI
4648 N 90th ST
MILWAUKEE, WI 53225